All Stainless Steel Pressure Gauges (Dry / Glycerine Filled)

Applications

- For pressure measurement applications of corrosive gaseous and liquids (not with high density and solid particles fluids)
- Ship building industry
- Food and beverage industry
- Chemical and Petro-chemical industry
- Power plants, natural gas applications

Sample Picture



General Features

- Production according to EN 837-1 standard
- All stainless steel material
- High temperature resistance
- Resistance to heavy working conditions

Standard Technical Features

Nominal size

63 mm, 100 mm, 160 mm

Design

EN 837 - 1

Ingress Protection

IP 65

Accuracy class

Cl. 1.6 : 63 mm

Cl. 1.0 : 100 mm, 160 mm

Scale sanges

63 mm 0 … 1 bar to 0 … 1000 bar

100 mm, 160 mm 0 … 0,6 bar to 0 … 1600 bar

-1 … 0 bar to -1 … +24 bar (vacuum-positive pressure)

Pressure limitation

Steady : 3/4 of full scale

Short time : ≤100 bar : 1.25 x full scale

>100 bar to ≤600 bar : 1.15 x full scale

>600 bar to ≤1600 bar : 1.10 x full scale

Ambient temperature

A300 (dry version) : -40 … +60 °C

A300G (filled version) : -20 … +60 °C

Media temperature

A300 (dry version) : +200 °C maximum

A300G (filled version) : +100 °C maximum

Case

304 stainless steel

Bezel ring

304 stainless steel (Bayonet type)

Pointer

Black painted Aluminium DIN pointer

Dial

Aluminium with white background

Temperaure effect

±0,04 x (t2 - t1) %full scale (must be added error limit)

t2 : media temperature t1 : +20 °C reference temperature

Standard Technical Features

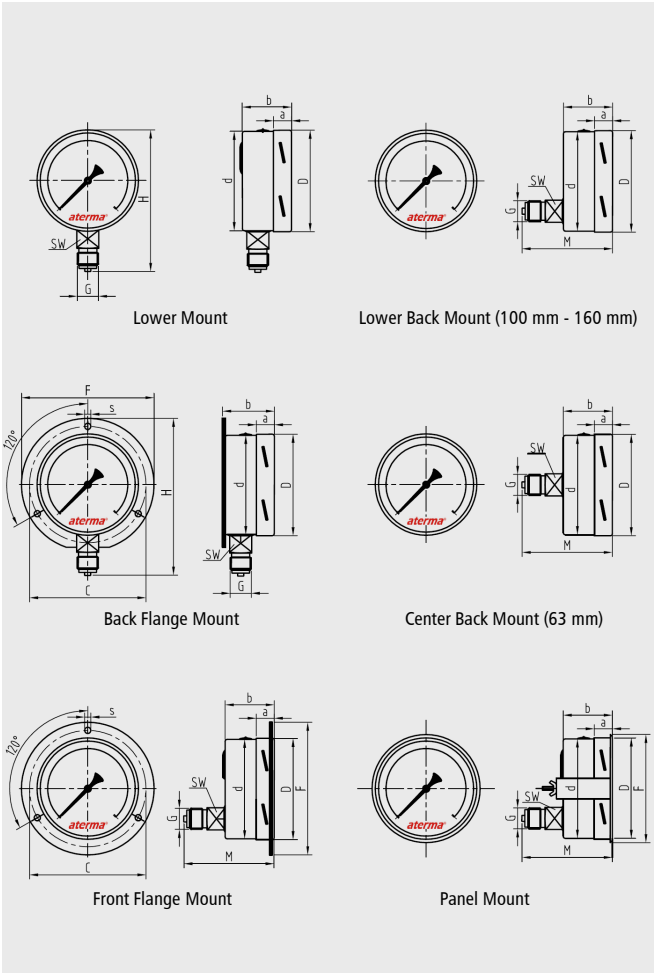
Window
Safety glass

Movement
304 stainless steel

Bourdon Tube
Material : 316L stainless steel
< 100 bar : C type
≥ 100 bar : Helical type

Process connection
Material : 316L stanless steel
63 mm : G 1/4 B (14 mm square)
100 mm : G 1/2 B (22 mm square)
160 mm : G 1/2 B (22 mm square)

Options
- Other process connections (1/4 NPT, 1/2 NPT etc.)
- Other scale ranges (kg/cm², psi, MPa etc.)
- Calibration certificate
- Monel bourdon tube and process connection
- Special customer dial design



Dimensions (mm)												Weights (kg)	
Connection position	a	b	s	D	d	H	M	C	F	G	SW	A300	A300G
63 mm Lower Mount	12,00	31,20	-	64,00	61,70	86,00	-	-	-	G 1/4 B	14	0,20	0,31
100 mm Lower Mount	18,00	49,00	-	101,00	99,00	139,00	-	-	-	G 1/2 B	22	0,55	0,80
160 mm Lower Mount	18,00	49,00	-	161,00	159,00	198,50	-	-	-	G 1/2 B	22	1,10	1,75
63 mm Center Back Mount	12,00	31,20	-	64,00	61,70	-	63,00	-	-	G 1/4 B	14	0,20	0,31
100 mm Lower Back Mount	18,00	49,00	-	101,00	99,00	-	93,00	-	-	G 1/2 B	22	0,55	0,80
160 mm Lower Back Mount	18,00	49,00	-	161,00	159,00	-	99,00	-	-	G 1/2 B	22	1,10	1,75
63 mm Back Flange Mount	12,00	38,00	4,20	64,00	61,70	97,50	-	75,00	86,20	G 1/4 B	14	0,26	0,37
100 mm Back Flange Mount	18,00	54,00	5,30	101,00	99,00	156,00	-	116,00	132,00	G 1/2 B	22	0,65	0,90
160 mm Back Flange Mount	18,00	54,00	6,15	161,00	159,00	217,50	-	178,00	196,00	G 1/2 B	22	1,30	1,95
63 mm Front Flange Mount	13,75	33,00	3,85	64,00	61,70	-	64,75	75,00	87,00	G 1/4 B	14	0,25	0,36
100 mm Front Flange Mount	21,50	51,50	6,15	101,00	99,00	-	96,50	116,00	130,00	G 1/2 B	22	0,65	0,90
160 mm Front Flange Mount	21,50	51,50	6,15	161,00	159,00	-	102,50	178,00	196,80	G 1/2 B	22	1,20	1,85
63 mm Panel Mount	13,75	33,00	-	64,00	61,70	-	64,75	-	68,50	G 1/4 B	14	0,30	0,41
100 mm Panel Mount	21,50	51,50	-	101,00	99,00	-	96,50	-	107,50	G 1/2 B	22	0,80	1,05
160 mm Panel Mount	21,50	51,50	-	161,00	159,00	-	102,50	-	168,60	G 1/2 B	22	1,30	1,90

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